

Ferdie's Puppy



Ferdie really wants to buy a puppy. But he has only \$1.00 saved up. He decides he's going to save money he earns from babysitting. He gets a job babysitting for an hour each day. After babysitting on the first day, he puts the money he earned from babysitting in his piggy bank along with the \$1.00 he already had saved. Now, altogether, he has \$6.00 in his piggy bank. After babysitting for a second day, he now has \$11.00 altogether in his piggy bank. After the third day of babysitting, Ferdie now has \$16.00 altogether in his piggy bank. After four days of babysitting Ferdie now has \$21.00 altogether in his piggy bank.

If Ferdie continues to earn the same amount of money each day, how much money would Ferdie have altogether after babysitting the next (5th) day?

$$5 \times 5 = 25 + 1 = \$26.00$$

How do you know that?

I saw that each day, Ferdie had five more dollars. Add one dollar and how much he had. The dollar is the one he had in his piggy bank. ^{dollars may} _{each time} $5 \times 5 = 25$

How much money would Ferdie have altogether after babysitting for 9 days?

$$9 \times 5 = \$45.00$$

Days $\frac{25}{+1}$
total money

How do you know that?

I know 9 is days, and 5 is the money he gets each time. So I multiplied to get the answer.

How much money would Ferdie have altogether after babysitting for 100 days?

$$100 \times 5 = \$500.00$$

How much money would Ferdie have altogether after babysitting for 43 days?

$$43 \times 5 = \$195.00$$

What's the rule?

Bonus Question

Number of days

$$\times 5 = \$$$

money

00 + \$1.00
piggy bank

How many days would Ferdie have to babysit until he had exactly \$51.00? How do you know?

$$10 \times 5 = \$50.00 + 1$$

He would have to
\$51.00 babysit for 10 days.

$$50 \div 10 = 5$$

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If Ferdie continues to earn the same amount of money each day, how much money would Ferdie have altogether after babysitting the next (5th) day?

Ferdie will have 26\$ on the 5th day.

How do you know that?

Because each day he will add 5\$ plus the \$1 he has.

How much money would Ferdie have altogether after babysitting for 9 days?

Ferdie will have 46\$ on the 9th day.

How do you know that?

Because each day he will add 5\$ plus the \$1 he has.

How much money would Ferdie have altogether after babysitting for 100 days?

Ferdie will have \$501 on the 100th day.

How much money would Ferdie have altogether after babysitting for 43 days?

Ferdie will have 216\$ on the 43rd day.

What's the rule?

Start at 1 and add 5 dollars each day.

Bonus Question

How many days would Ferdie have to babysit until he had exactly \$51.00? How do you know?

Ferdie will have to babysit for 10 days because $5 \times 10 = 50$ plus the 1 he has.

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$$\begin{aligned} 1 + 5 &= 6 + 5 \\ &= 11 + 5 = 16 \\ &+ 5 = 21 + \\ &5 = 26. \end{aligned}$$

If Ferdie continues to earn the same amount of money each day, how much money would Ferdie have altogether after babysitting the next (5th) day?

Ferdie will have \$26.00 altogether in his piggy bank by the 5th day.

How do you know that?

I know that because he started out with \$1.00 and gained five dollars every time he babysits.

$$\begin{aligned} 15 &= 6 + 5 = \\ 1 + 5 &= 16 + 5 \\ 21 + 5 &= 26 \\ 5 &= 31 + 5 = \\ 6 + 5 &= 41 + \\ &= 46 + 5 = \end{aligned}$$

How much money would Ferdie have altogether after babysitting for 9 days?

Ferdie would have \$46 after 9 days babysitting.

How do you know that?

I know that because I added \$5.00 on to his \$1.00 9 times.

$$\begin{aligned} 5 \times 100 &= 500 \\ 1. & \end{aligned}$$

How much money would Ferdie have altogether after babysitting for 100 days?

He would have 501 dollars because $5 \times 100 = 500$ plus the one dollar he had when he started out with one dollar.

$$\begin{aligned} 500 - 250 &= \\ 50 - 35 &= 15 \\ 15 + 1 &= 226 \end{aligned}$$

How much money would Ferdie have altogether after babysitting for 43 days?

Ferdie would have 226 dollars after babysitting for 43 days because I split 500 in half and then subtracted 35 off of 250 and got 226.

Bonus Question

How many days would Ferdie have to babysit until he had exactly \$51.00? How do you know?

Ferdie would have to babysit for 10 days to get \$51.00 because if he got 46 dollars in 9 days. Then you just add one more day and got \$51.00.

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If Ferdie continues to earn the same amount of money each day, how much money would Ferdie have altogether after babysitting the next (5th) day? **\$26.00**

How do you know that?

because 5 times 5 + 1 is 26

How much money would Ferdie have altogether after babysitting for 9 days? **\$46.00**

How do you know that?

9 x 5 + 1 is 46

How much money would Ferdie have altogether after babysitting for 100 days?

How much money would Ferdie have altogether after babysitting for 43 days?

What's the rule?

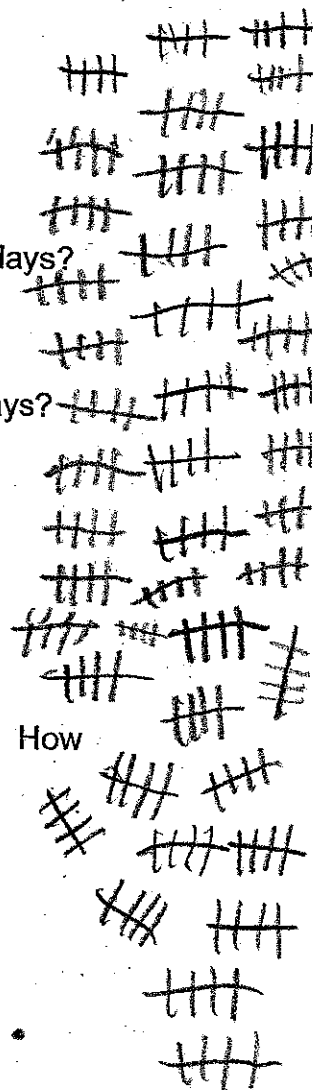
221
x5 every time +1.

Bonus Question

How many days would Ferdie have to babysit until he had exactly \$51.00? How do you know?

10 days

because 10 x 5 is 50 + 1 is 51.



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If Ferdie continues to earn the same amount of money each day, how much money would Ferdie have altogether after babysitting the next (5th) day?

Ferdie will have \$26 altogether after baby sitting on the 5th day.

How do you know that?

I know that because I know that Ferdie makes \$5 each day so I added 5 to 21.

How much money would Ferdie have altogether after babysitting for 9 days?

Ferdie will have \$46 altogether on the 9th day

How do you know that?

$$\begin{array}{r} 0 \ 1 \ 2 \ 3 \ 4 \ 5 \ 6 \ 7 \ 8 \ 9 \\ 1 \ 6 \ 11 \ 16 \ 21 \ 26 \ 31 \ 36 \ 41 \ 46 \end{array}$$

How much money would Ferdie have altogether after babysitting for 100 days?

$$\begin{array}{r} 10 \ 20 \ 30 \ 40 \ 50 \ 60 \ 70 \ 80 \ 90 \ 100 \\ 51 \ 102 \ 153 \ 204 \ 255 \ 306 \ 357 \ 408 \ 459 \ 510 \end{array} \quad \$510$$

How much money would Ferdie have altogether after babysitting for 43 days?

$$\begin{array}{r} 40 \ 41 \ 42 \ 43 \\ 204 \ 209 \ 214 \ 219 \end{array} \quad \$219$$

What's the rule?

Add 5 everytime

Bonus Question

How many days would Ferdie have to babysit until he had exactly \$51.00? How do you know?

Answer 10 days why -

$$\begin{array}{r} 0 \ 1 \ 2 \ 3 \ 4 \ 5 \ 6 \ 7 \ 8 \ 9 \ 10 \\ \$ \ 1 \ 6 \ 11 \ 16 \ 21 \ 26 \ 31 \ 36 \ 41 \ 46 \ 51 \end{array}$$

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If Ferdie continues to earn the same amount of money each day, how much money would Ferdie have altogether after babysitting the next (5th) day?

He will have
26.00\$

How do you know that?

he gets five more dollars each day

How much money would Ferdie have altogether after babysitting for 9 days?

He will have

46.00\$

How do you know that?

you add 5 ^{more days} x 4 = 20 and add that to the 26.00\$ he had

How much money would Ferdie have altogether after babysitting for 100 days?

500.00\$

How much money would Ferdie have altogether after babysitting for 43 days?

165.00\$

What's the rule?

x the number of days by 5

Bonus Question

How many days would Ferdie have to babysit until he had exactly \$51.00? How do you know?

10 days because on the 9th day he had 46.00\$

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If Ferdie continues to earn the same amount of money each day, how much money would Ferdie have altogether after babysitting the next (5th) day?

He would have earned \$26.00.

How do you know that?

I know that because every hour he earns 5 dollars. The reason why he had \$6.00^(for first time) is because he already had \$1.00.

How much money would Ferdie have altogether after babysitting for 9 days?

He would have \$46.00

How do you know that?

I added 5 dollars to each of his earnings 4 more times.

How much money would Ferdie have altogether after babysitting for 100 days?

He would have \$501.00

How much money would Ferdie have altogether after babysitting for 43 days?

\$216.00

What's the rule?

Times the # of days by 5 then add 1.

Bonus Question

How many days would Ferdie have to babysit until he had exactly \$51.00? How do you know?

He would need to babysit for 10 days. I know because the rule is times the # of days by 5 then add 1 so I timed each number days and when I got to 50.

526
631
126
541
946

$$\begin{array}{r} 43 \\ 216 \end{array}$$

$$\begin{array}{r} 100 \\ 5 \\ 500 \end{array}$$

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If Ferdie continues to earn the same amount of money each day, how much money would Ferdie have altogether after babysitting the next (5th) day?

He would have \$26.00

How do you know that?

I know that because the rule is $x5 + 1$ so I just did

$5 \times 5 + 1$
(day) (mul.) (constant)

How much money would Ferdie have altogether after babysitting for 9 days?

\$46.00

How do you know that?

I did the same thing for the 1st question except
the ^(pos. #) day was 9.

How much money would Ferdie have altogether after babysitting for 100 days?

\$501.00

How much money would Ferdie have altogether after babysitting for 43 days?

\$215.00

What's the rule?

of days = Position Number $\times 5 + 1$

Bonus Question

How many days would Ferdie have to babysit until he had exactly \$51.00? How do you know?

10 days I know because I tried

$10 \times 5 + 1$ which got me \$51.00

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If Ferdie continues to earn the same amount of money each day, how much money would Ferdie have altogether after babysitting the next (5th) day?

Ferdie would have

\$26.00

How do you know that?

Each time Ferdie babysits Ferdie get \$5.00 so I add \$5.00 to 21.00.

Day 1: \$1.00
Day 2: \$6.00
Day 3: \$11.00
Day 4: \$16.00
Day 5: \$21.00
Day 6: \$26.00

How much money would Ferdie have altogether after babysitting for 9 days?

5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = 45

How do you know that?

I know because 5 + 59 times is 45.

How much money would Ferdie have altogether after babysitting for 100 days?

100 x 5 = 500

Ferdie would have \$500.00

after babysitting for 100 days

How much money would Ferdie have altogether after babysitting for 43 days?

43 x 5 = 163

Ferdie have \$163.00

after babysitting for 43 days

What's the rule?

Ferdie

gets \$5.00

Bonus Question

each time she babysits

How many days would Ferdie have to babysit until he had exactly \$51.00? How do you know?

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If Ferdie continues to earn the same amount of money each day, how much money would Ferdie have altogether after babysitting the next (5th) day?

Ferdie would have \$26.00 in his piggy bank on the 5th day.

How do you know that?

I know this because $6 + 5 = 11$ and he starts off with 1 dollar that he has then goes to \$6.00 then 11, etc.

How much money would Ferdie have altogether after babysitting for 9 days?

\$46.00

How do you know that?

You add 5^{\$} each day.

How much money would Ferdie have altogether after babysitting for 100 days?

$100 \times 5 = 500$

How much money would Ferdie have altogether after babysitting for 43 days?

$43 \times 5 = 215$

What's the rule?

times by 5.

Bonus Question

How many days would Ferdie have to babysit until he had exactly \$51.00? How do you know?

10 days. Because you know that you have to add 5 to each number.

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If Ferdie continues to earn the same amount of money each day, how much money would Ferdie have altogether after babysitting the next (5th) day?

$$\begin{array}{r} 21 \\ + 5 \\ \hline 26 \end{array}$$

Ferdie will have \$26.00 the next day.

How do you know that?

I know that because Ferdie gets \$5 for babysitting so if you add another \$5 he would have \$26.

How much money would Ferdie have altogether after babysitting for 9 days?

He would have \$46 on day 9.

$$\begin{array}{r} 26 \\ + 5 \\ + 5 \\ + 5 \\ + 5 \\ \hline 46 \end{array}$$

How do you know that?

I know that because I added all the five dollars from the 4 day and the \$26 which equals \$46.

How much money would Ferdie have altogether after babysitting for 100 days?

100
- 43
57
57 x 5 = 285 He would have 285 dollars.

How much money would Ferdie have altogether after babysitting for 43 days?

34 x 5 = 170
170
+ 46
216 He would have \$216.

What's the rule?

The rule is to keep adding \$5 each day.

Bonus Question

How many days would Ferdie have to babysit until he had exactly \$51.00? How do you know?

16

16

2

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If Ferdie continues to earn the same amount of money each day, how much money would Ferdie have altogether after babysitting the next (5th) day?

Ferdie will have \$26.00 after the next day.

How do you know that?

I know this because Ferdie kept getting \$5 everyday so I just added \$5.

How much money would Ferdie have altogether after babysitting for 9 days?

$9 \times 5 + 1 = 46$ Ferdie will have \$46 on the 9th day.

How do you know that?

I know this because if it was the 9th day and each day he got five dollars I did $9 \times 5 + 1$. The +1 was from the \$1 he had in the beginning.

How much money would Ferdie have altogether after babysitting for 100 days?

$100 \times 5 + 1 = 501$ Ferdie will have \$501 from 100 days of babysitting.

How much money would Ferdie have altogether after babysitting for 43 days?

$43 \times 5 + 1 = 216$ Ferdie will have \$216 after babysitting for 43 days.

What's the rule?

The rule is the # of days $\times 5 + 1$.

Bonus Question

How many days would Ferdie have to babysit until he had exactly \$51.00? How do you know?

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If Ferdie continues to earn the same amount of money each day, how much money would Ferdie have altogether after babysitting the next (5th) day?

Ferdie will have \$26

How do you know that?

I know because I found the rule was
 $\# \text{ of Dollars} = \text{hours} \times \4 and I looked at position 5 and got \$26

How much money would Ferdie have altogether after babysitting for 9 days?

Ferdie will have \$46

How do you know that?

I know by going up to position 9
using the rule

How much money would Ferdie have altogether after babysitting for 100 days?

He will have \$501

How much money would Ferdie have altogether after babysitting for 43 days?

\$216

What's the rule?

$\# \text{ of dollars} = \text{hours} \times \4

Bonus Question

How many days would Ferdie have to babysit until he had exactly \$51.00? How do you know?

He will be on his 10th day babysitting
I know by dividing \$50 by \$4 and I added the 1 dollar
of 10

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If Ferdie continues to earn the same amount of money each day, how much money would Ferdie have altogether after babysitting the next (5th) day?

26\$

How do you know that?

because $5 \times 5 + 1 = 26$

How much money would Ferdie have altogether after babysitting for 9 days?

46\$

How do you know that?

Because $5 \times 9 + 1 = 46$

How much money would Ferdie have altogether after babysitting for 100 days?

510\$

How much money would Ferdie have altogether after babysitting for 43 days?

216\$

What's the rule?

The rule is $5x + 1$

Bonus Question

How many days would Ferdie have to babysit until he had exactly \$51.00? How do you know?

He would have to babysit 10 days
because $5 \times 10 + 1 = 51$

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If Ferdie continues to earn the same amount of money each day, how much money would Ferdie have altogether after babysitting the next (5th) day?

Ferdie would have \$26.

How do you know that?

Day 1 $\times 5 + 1$ Day 2 $\times 5 + 1$ Day 3 $\times 5 + 1$ Day 4 $\times 5 + 1$ Day 5 $\times 5 + 1$

How much money would Ferdie have altogether after babysitting for 9 days?

Ferdie would have \$46.

How do you know that?

Day 6 $\times 5 + 1$ Day 7 $\times 5 + 1$ Day 8 $\times 5 + 1$ Day 9 $\times 5 + 1$

How much money would Ferdie have altogether after babysitting for 100 days?

Ferdie would have \$501.

Day 100 $\times 5 + 1$

How much money would Ferdie have altogether after babysitting for 43 days?

Ferdie would have \$216.

Day 43 $\times 5 + 1$

What's the rule?

The rule is $\# \text{ of money} = \# \text{ of days} \times 5 + 1$

Bonus Question

How many days would Ferdie have to babysit until he had exactly \$51.00? How do you know?

Day 10 $\times 5 + 1 = \$51.00$ Ferdie would have to do 10 days.

Ferdie's

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If Ferdie continues to earn the same amount of money each day, how much money would Ferdie have altogether after babysitting the next (5th) day?

if Ferdie would have 26 dollars

How do you know that?

each day she gets 5 dollars $21 + 5 = 26$ so in 5 days Ferdie would have 26 dollars

How much money would Ferdie have altogether after babysitting for 9 days?

in 9 days of babysitting she would have 46 dollars

How do you know that?

I used my times tables $5 \times 1 = 5$ $5 \times 2 = 10$
 $5 \times 3 = 15$ and so on

How much money would Ferdie have altogether after babysitting for 100 days?

Ferdie would have 501 dollars!!! if she had babysit for 100 days

How much money would Ferdie have altogether after babysitting for 43 days?

she would have 216 dollars

What's the rule?

the rule is each day she get 5 dollars (it help if you know your times tables)

Bonus Question

How many days would Ferdie have to babysit until he had exactly \$51.00? How do you know?

she would have to work for 10 days I know $5 \times 8 = 25$ so $5 \times 10 = 50$ before he had 1 dollar so if she worked for 10 more she would have 51 dollars

Ferdie's Puppy



Ferdie really wants to buy a puppy. But he has only \$1.00 saved up. He decides he's going to save money he earns from babysitting. He gets a job babysitting for an hour each day. After babysitting on the first day, he puts the money he earned from babysitting in his piggy bank along with the \$1.00 he already had saved. Now, altogether, he has \$6.00 in his piggy bank. After babysitting for a second day, he now has \$11.00 altogether in his piggy bank. After the third day of babysitting, Ferdie now has \$16.00 altogether in his piggy bank. After four days of babysitting Ferdie now has \$21.00 altogether in his piggy bank.

If Ferdie continues to earn the same amount of money each day, how much money would Ferdie have altogether after babysitting the next (5th) day?

On the 5th day Ferdie would have earned \$26.00.

How do you know that?

I know that Ferdie would have earned \$26.00 on his 5th day of babysitting because every time he babysits he earns \$5.00. And the reason why he got \$6.00 the first time, because he already had a dollar. So you add \$6 + \$5 + \$5 + \$5 + \$5 = \$26.

How much money would Ferdie have altogether after babysitting for 9 days?

How do you know that?

I know that Ferdie would have earned 51 dollars after 9 days of babysitting because to the left it shows repeating addition.

How much money would Ferdie have altogether after babysitting for 100 days?

I took my repeating addition chart and just added 1 more day so that it is 10 days. So I times $56 \times 10 = 560$. So Ferdie would make \$560.00 if he babysitted for 100 days.

How much money would Ferdie have altogether after babysitting for 43 days?

Ferdie would have earned \$208.00 after babysitting for 43 days.

What's the rule?

Numbers of days times how much he makes per day. 43

Bonus Question

How many days would Ferdie have to babysit until he had exactly \$51.00? How do you know?

9 days

$$\begin{aligned} 6+5 &= 11+5 \\ &= 16+5 = 21 \\ &+5 = 26+5 \\ &= 31+5 = 36 \\ &+5 = 41+5 \\ &= 46+5 = 51 \end{aligned}$$

$$\begin{array}{r} 43 \\ \times 5 \\ \hline 208 \end{array}$$

$$\begin{array}{r} 43 \\ \times 5 \\ \hline 208 \end{array}$$

Ferdie's Puppy

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If Ferdie continues to earn the same amount of money each day, how much money would Ferdie have altogether after babysitting the next (5th) day?

Ferdie will have \$26.00 altogether

How do you know that?

I know this because he makes \$5 each day and $21 + 5 = 26$.

How much money would Ferdie have altogether after babysitting for 9 days?

Ferdie will have 46 dollars after the 9th day.

How do you know that?

I know this because $26 + 20 = 46$.

How much money would Ferdie have altogether after babysitting for 100 days?

Ferdie will have \$501 after 100 days.
 $5 \times 100 = 500 + 1 = 501$

How much money would Ferdie have altogether after babysitting for 43 days?

Ferdie will have \$26 on the 43 day.

What's the rule?

The rule is add 5 each time then add 1.

Bonus Question

How many days would Ferdie have to babysit until he had exactly \$51.00? How do you know?